RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/768,827**

DATE: 06/06/2001
TIME: 12:21:13

Input Set : **A:\Seqlist.txt**
Output Set: **C:\CRF3\06062001\I768827.raw**

```
 3 <110> APPLICANT: Schlegel, Robert
 4       Endege, Wilson
 5       Monahan, John
 7 <120> TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION,
 8       ASSESSMENT, PREVENTION, AND THERAPY OF HUMAN
 9       PROSTATE CANCER
11 <130> FILE REFERENCE: MRI-007A
13 <140> CURRENT APPLICATION NUMBER: US 09/768,827
14 <141> CURRENT FILING DATE: 2001-01-24
16 <150> PRIOR APPLICATION NUMBER: US 60/178,525
17 <151> PRIOR FILING DATE: 2000-01-24
19 <150> PRIOR APPLICATION NUMBER: US 60/183,245
20 <151> PRIOR FILING DATE: 2000-02-17
22 <150> PRIOR APPLICATION NUMBER: US 60/190,139
23 <151> PRIOR FILING DATE: 2000-03-16
25 <150> PRIOR APPLICATION NUMBER: US 60/208,126
26 <151> PRIOR FILING DATE: 2000-05-31
28 <150> PRIOR APPLICATION NUMBER: US 60/219,705
29 <151> PRIOR FILING DATE: 2000-07-18
31 <150> PRIOR APPLICATION NUMBER: US 60/255,160
32 <151> PRIOR FILING DATE: 2000-12-13
34 <160> NUMBER OF SEQ ID NOS: 101
36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
38 <210> SEQ ID NO: 1
39 <211> LENGTH: 395
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (1)...(395)
46 <223> OTHER INFORMATION: n = A,T,C or G
48 <400> SEQUENCE: 1
49 ctacttaggg cgaattggag ctccccgcgg tggcggccga ggtacgcggg gagagtgttc 60
50 cagacagaag aaatagcaag tgccgagaag ctggcatcag aaaaacagag gggagatttg 120
51 tgtggctgca gccgagggag accaggaaga tctgcatggt gggaaggacc tgatgataca 180
52 gaggtgagaa ataagaaagg ctgctgactt taccatctga ggccacacat ctgctgaaat 240
53 ggagataatt aacatcacta gaaacagcaa gatgacaata taatgtctaa gtagtgacat 300
54 gttttttgcac atttccagcc cctttaaatn tccacacaca caggaagcac aaaaggaagc 360
55 acagagatcc tgggagaaat gcccggcccg ctcta 395
57 <210> SEQ ID NO: 2
58 <211> LENGTH: 237
59 <212> TYPE: DNA
60 <213> ORGANISM: Homo sapiens
62 <220> FEATURE:
63 <221> NAME/KEY: misc_feature
64 <222> LOCATION: (1)...(237)
65 <223> OTHER INFORMATION: n = A,T,C or G
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W--> (line 54)

RAW SEQUENCE LISTING   DATE: 06/06/2001
PATENT APPLICATION: **US/09/768,827**   TIME: 12:21:13

Input Set : **A:\Seqlist.txt**
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```
       67 <400> SEQUENCE: 2
W--> 68 ccgcggtggc ggccgaggtn ccaangtcaa gtcaccataa tgtntttnac ctgtttcaca 60
W--> 69 atgttctaca ttatcgtgga aatgttgaca aggtctcnag caaagactgg atctncantg 120
W--> 70 gntttaaaat acaatnntcc atttcggaaa ttganggaaa aagatctttn ncaanctgga 180
W--> 71 agagtcttct tgtaaatagg aatcacnggg ctacacctgc tgacgacctt gggtttn   237
       73 <210> SEQ ID NO: 3
       74 <211> LENGTH: 463
       75 <212> TYPE: DNA
       76 <213> ORGANISM: Homo sapiens
       78 <220> FEATURE:
       79 <221> NAME/KEY: misc_feature
       80 <222> LOCATION: (1)...(463)
       81 <223> OTHER INFORMATION: n = A,T,C or G
       83 <400> SEQUENCE: 3
       84 ttagggcgaa ttggagctcc ccgcggtggc ggccgaggta ctatatggac accaacatgg 60
W--> 85 agcanaaaat gagggcagca gtgtccaatc tcattccagg tgagaagttg cacagtgtcc 120
       86 aataggtgca tacatctcct tagtaagtag ttgtgattaa caatgaaata gaaatgaaaa 180
       87 atatattttt ttatttatgt gtattatatt tttcaagcag ctaataagtt ggtaggacat 240
       88 aatatttaat tcgttgggga cctaattatt tataaattga atggttagat atttcttttg 300
       89 gcctaagcca ccatgaaaaa atcactgagg cgctaaggga aacatgaact aagaagccct 360
W--> 90 tctgagtctc tgttttctca actgtaagat gaanaaacct gctccacctt cctcttgcga 420
       91 ttggtgaacg gcagtttgag atactgcgca gaatggacct tat                  463
       93 <210> SEQ ID NO: 4
       94 <211> LENGTH: 434
       95 <212> TYPE: DNA
       96 <213> ORGANISM: Homo sapiens
       98 <220> FEATURE:
       99 <221> NAME/KEY: misc_feature
      100 <222> LOCATION: (1)...(434)
      101 <223> OTHER INFORMATION: n = A,T,C or G
      103 <400> SEQUENCE: 4
      104 ggagctcccc gcggtggcgg ccgaggtacg cgggggttgt atgtgggttg gcattcttgc 60
      105 atgatgggag tggccacctg ctttcatatt ctgaagtcag agtgttccag acagaagaaa 120
      106 tagcaagtgc cgagaagctg gcatcagaaa aacagagggg agatttgtgt ggctgcagcc 180
      107 gagggagacc aggaagatct gcatggtggg aaggacctga tgatacagag gtgagaaata 240
      108 agaaaggctg ctgactttac catctgaggc cacacatctg ctgaaatgga gataattaac 300
W--> 109 atcactagaa acagcaagat gacaatataa tgtctaanta gtgacatgtt ttttgcacat 360
      110 ttccagcccc tttaaatatc cacacacaca ggaagcacaa aaggaagcac agagatccct 420
      111 gggagaaatg cccg                                                  434
      113 <210> SEQ ID NO: 5
      114 <211> LENGTH: 332
      115 <212> TYPE: DNA
      116 <213> ORGANISM: Homo sapiens
      118 <220> FEATURE:
      119 <221> NAME/KEY: misc_feature
      120 <222> LOCATION: (1)...(332)
      121 <223> OTHER INFORMATION: n = A,T,C or G
      123 <400> SEQUENCE: 5
      124 ctatagggcg aattggagct ccccgcggtg gcggccgccc gggcatggta cgcggggagg 60
```

```
         125 tgttgttccg tgaatcagca catcaattgc agcattgtgg ctaccagggg gtcaggatgc 120
W--> 126 ggncggtgga gccctctggc ctttgtgtgg tagccgagga ctctgtgtca gctgaccgtt 180
W--> 127 ttccggnaaa ctttcgtgcg agactcacat cttggaaatt caaatactca atanctctcg 240
W--> 128 aattctagga atcttgagaa gaggcctgga ttaangattc anacatgggc cctnanatng 300
W--> 129 ntatggcatt gctggttcta ccaacgtgac ag                              332
         131 <210> SEQ ID NO: 6
         132 <211> LENGTH: 348
         133 <212> TYPE: DNA
         134 <213> ORGANISM: Homo sapiens
         136 <400> SEQUENCE: 6
         137 ccgggcaggt accagaactt cagcaaagga agcagacaca ggtcggagga agcctacata 60
         138 gaccccattg ccatggagta ttacaactgg gggcggttct cgaagccccc agaagatgat 120
         139 gatgccaatt cctacgagaa tgtgctcatt tgcaagcaga aaaccacaga gacaggtgcc 180
         140 cagcaggagg gcataggtgg cctctgcaga ggggacctca gcctgtcact ggccctgaag 240
         141 actggcccca cttctggtct ctgtcccccct gcctccccgg aagaagatga ggaatctgag 300
         142 gattatcaga actcagcatc catccatcag tggcacgagt ccaggaag              348
         144 <210> SEQ ID NO: 7
         145 <211> LENGTH: 188
         146 <212> TYPE: DNA
         147 <213> ORGANISM: Homo sapiens
         149 <220> FEATURE:
         150 <221> NAME/KEY: misc_feature
         151 <222> LOCATION: (1)...(188)
         152 <223> OTHER INFORMATION: n = A,T,C or G
         154 <400> SEQUENCE: 7
         155 ttagggcgaa ttggagctcc ccgcggtggc ggccgaggta cttttttttt tttttttttt 60
         156 ttttggacct tgggtatctt ctgcaggtca agccatcctg accactctga gaacttaccc 120
W--> 157 agggtgactc anctgtcact ccaggtcact cataagccca acgggtagct ccacccgtgg 180
         158 acagctgg                                                         188
         160 <210> SEQ ID NO: 8
         161 <211> LENGTH: 603
         162 <212> TYPE: DNA
         163 <213> ORGANISM: Homo sapiens
         165 <220> FEATURE:
         166 <221> NAME/KEY: misc_feature
         167 <222> LOCATION: (1)...(603)
         168 <223> OTHER INFORMATION: n = A,T,C or G
         170 <400> SEQUENCE: 8
         171 cgcggtggcg gcccgcccgg gcaggtactt tttttttttt tttttttttt tttttttaag 60
W--> 172 ggaacgtgaa ttttaatgag ggggcanacc gaggaggtgg tggctgcccg gagatcaggg 120
W--> 173 ccaggctgtg ctanatggcn cctggaaggg gggtcaccca agtctccctg ctatcatttc 180
         174 aggaggccga cccaagtctc cctgctgtca tttcaggagg ccgaattttt tcccgatccc 240
W--> 175 anagaaggtg tcaaaggcct ggttagcant cttgtcgatg gtttcctggg tggtcttggc 300
W--> 176 canctggtcc atggctttct gccccgcctc tgtggcctgg tccaccactt gctganctgc 360
W--> 177 cgctccggcc cgctnacacg gcttcctggg cggtcccctc cacctgttgc ttcaggtcct 420
W--> 178 gcaagccctt gcttgccatg gcttcggggt atctgtggag tcntcaagan canctggagc 480
W--> 179 cacnttggat cctncccaaa gtggcccccg cgtaccttgg cccgtntaaa actatgtgga 540
W--> 180 atccccccgg cctgcangaa ttccatatca aagcttatng atacccggcg accctcgagg 600
         181 ggg                                                              603
```

Input Set : **A:\Seqlist.txt**
Output Set: **C:\CRF3\06062001\I768827.raw**

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183 <210> SEQ ID NO: 9
184 <211> LENGTH: 429
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 9
189 ccgcggtggc ggccgaggta cgcggggtca ttactacagg aaaaactgtt ctcttctgtg 60
190 gcacagagaa ccctgcttca aagcagaagt agcagttccg gagtccagct ggctaaaact 120
191 catcccagag gataatggca acccatgcct tagaaatcgc tggctgtttt cttggtggtg 180
192 ttggaatggt gggcacagtg gctgtcactg tcatgcctca gtggagagtg tcggccttca 240
193 ttgaaaacaa catcgtggtt tttgaaaact tctgggaagg actgtggatg aattgcgtga 300
194 ggcaggctaa catcaggatg cagttgcaaa atctatgatt ccctgctggc tctttctccg 360
195 gacctacagg cagccagagg actgatgttg cgctgcttcc gtgatgtcct tcttggcttt 420
196 catgatggc                                                          429
198 <210> SEQ ID NO: 10
199 <211> LENGTH: 338
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapiens
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (1)...(338)
206 <223> OTHER INFORMATION: n = A,T,C or G
208 <400> SEQUENCE: 10
```

W--> **209 cgctgatgtt ggccangcga gagggccacg ttctcctgag tgttcagaag ggtcttacag 60**
```
210 acgtccaggg gggtcgtggc ggccgcggcg agggccccgg ccagcccgcc tgagatgatg 120
211 tgggactgcg ggttgtaggt ccggtggggg ttgacctgct cctgcaggaa ctcataggtg 180
212 atgaagtgga tggactggaa ggggatgttc atggtcagct gcgtggtgta gctccggtag 240
```
W--> **213 aaggccccca acccctnggt cctccacacc gtccggatgc aactgattgc tgaccggtgc 300**
W--> **214 tgcnagttgt acctgcccgg gcggccgctc tagaacta   338**
```
216 <210> SEQ ID NO: 11
217 <211> LENGTH: 561
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)...(561)
224 <223> OTHER INFORMATION: n = A,T,C or G
226 <400> SEQUENCE: 11
```
W--> **227 gccgccgggc aggtacaaac ttagaagaaa atnggaagat agaaacaaga tagaaaatga 60**
```
228 aaatattgtc aagagtttca gatagaaaat gaaaaacaag ctaagacaag tattggagaa 120
229 gtatagaaga tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag 180
230 gaaattattg gtaaccaatt tattttaaaa gcccatcaat ttaatttctg gtggtgcaga 240
```
W--> **231 agttagaagg taaagcttga gaagatgagg gtgtttaccg tagaccngaa ccaatttaga 300**
```
232 agaatacttg aagctagaag gggaagttgg ttaaaaatca catcaaaaag ctactaaaag 360
233 gactggtgta attttaaaaa aaactaaggc agaaggcttt tggaagaagt tagaagaatt 420
234 tggaaggcct taaatatagt agcttaattt gaaaaaatgt gaaggacctt tcgtaaccgg 480
```
W--> **235 aaggtnattt caagatnaaa gaagtaattt accaacctta atggtttttg cctttggggc 540**
W--> **236 ttttgagttt aaagaattan t   561**
```
238 <210> SEQ ID NO: 12
239 <211> LENGTH: 367
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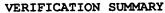
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      240 <212> TYPE: DNA
      241 <213> ORGANISM: Homo sapiens
      243 <220> FEATURE:
      244 <221> NAME/KEY: misc_feature
      245 <222> LOCATION: (1)...(367)   ·
      246 <223> OTHER INFORMATION: n = A,T,C or G
      248 <400> SEQUENCE: 12
W--> 249 gaatnggagc tccccgcggt ggcggccgan gnactcngga nagagtanaa acgtttccat 60
W--> 250 gttatttctg cagttgtnga cttaggctta tttgtaaaga agcatgctcc attgactgcc 120
     251 atctctagtc ttgcagtggg tggtattaac ccatagaaag caagcagttg tgtatcacat 180
W--> 252 acacaatggn tatgatgnta accanatcan ctgtttngtt gttcattcgt natatgtttt 240
W--> 253 gtgatangga tgttgggagc acagctctat tctgcctgct cagacttaag ttagaccctt 300
     254 atcttttata ttatgtcatg aaaaaagtct cctaaaaatt gtgaaactag cctcttgatg 360
     255 agtgatg                                                          367
      257 <210> SEQ ID NO: 13
      258 <211> LENGTH: 464
      259 <212> TYPE: DNA
      260 <213> ORGANISM: Homo sapiens
      262 <400> SEQUENCE: 13
      263 ccgcggtggc ggcccgaggt acatggccac aagaggagcc ctggccaaca gtttcaggct 60
      264 ggccatcttg ggctggggct ccctgggctt gcagtgggga gggtcaggat tcaaattctg 120
      265 ggtgacaatt tcagtagcac caagaccaga agacagtgag gccacgctgg ggagtggggg 180
      266 agtgcttgta tgtgggatgc atggagggag gctgcagtat gtggaggaga aagagaggct 240
      267 gttgtgggct ggttcttaag acactcaagg ggactcaaag ggtcggctcc agccatggac 300
      268 actatctaag gctgctcaga ggagaatgct ggaggagagg aagaggaagt gaaatggtgt 360
      269 gagaacattc ttacccctat aaataaaacta tttacacact ttaagaaaag gagagccggc 420
      270 tctcagtccc gcgtacctgc ccgggccggc ccgctctaga acta                 464
      272 <210> SEQ ID NO: 14
      273 <211> LENGTH: 519
      274 <212> TYPE: DNA
      275 <213> ORGANISM: Homo sapiens
      277 <220> FEATURE:
      278 <221> NAME/KEY: misc_feature
      279 <222> LOCATION: (1)...(519)  /
      280 <223> OTHER INFORMATION: n = A,T,C or G
      282 <400> SEQUENCE: 14
      283 ccgcggtggc ggccgaggta cgcggggacc tcagcccagc aattcgtttg gagcatgtga 60
      284 acaccttgag ccttgatgag ttccagtatg tggtatatta tgcagagcat tcagagcaaa 120
      285 tactctctct ccgagcgctt aatccgaaca attgctgcca tccgttcctt cccacatgat 180
      286 aatgtagagg acctcatcag aggggagca gatgtgaact gcactcatgg cacactgaag 240
      287 cccttgcact gtgcctgtat ggtgtcagat gctgactgtg tggagttact tctggaaaaa 300
W--> 288 ggagccgagg tgaatgccct ggatgggtat aacccgaaca gccctccact atgcancaga 360
      289 gaaagatgag gcttgtgtgg aggtcctatt ggagtatggt gcaaacccca atgctttgga 420
      290 tggcaacaga gatacccac ttcactgggt agcctttaag aacaatgctg agtgtgtgcg 480
      291 ggctctccta gagagcgggg cctctgtcaa tgccctgga                        519
      293 <210> SEQ ID NO: 15
      294 <211> LENGTH: 422
      295 <212> TYPE: DNA
      296 <213> ORGANISM: Homo sapiens
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
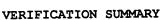<223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/768,827**

DATE: 06/06/2001
TIME: 12:21:14

Input Set : **A:\Seqlist.txt**
Output Set: **C:\CRF3\06062001\I768827.raw**

```
L:54  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:68  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:69  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:70  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:71  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:85  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:90  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
```
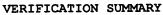
VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/768,827**

DATE: 06/06/2001
TIME: 12:21:14

Input Set : **A:\Seqlist.txt**
Output Set: **C:\CRF3\06062001\I768827.raw**

```
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/768,827

DATE: 06/06/2001
TIME: 12:21:14

Input Set : A:\Seqlist.txt
Output Set: C:\CRF3\06062001\I768827.raw

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L:956  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:974  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:975  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:976  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:977  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:978  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:979  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:980  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:981  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1060 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
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VERIFICATION SUMMARY   DATE: 06/06/2001
PATENT APPLICATION: **US/09/768,827**   TIME: 12:21:14

Input Set : **A:\Seqlist.txt**
Output Set: **C:\CRF3\06062001\I768827.raw**

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L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:1409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:1410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:1450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:1480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:1493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:1546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98
L:1785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:1788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:1806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
```

VERIFICATION SUMMARY   DATE: 06/06/2001
PATENT APPLICATION: **US/09/768,827**   TIME: 12:21:14

Input Set : **A:\Seqlist.txt**
Output Set: **C:\CRF3\06062001\I768827.raw**

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L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:1809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:1828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
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